

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO IL 60604-3590

July 22 2011

EUGENE L & MARIANNE J GREEN
3229 20TH AVE S
MINNEAPOLIS MN 55407

Re 3229 20TH AVE S
South Minneapolis Residential Soil Contamination Site
Minneapolis, MN

Dear EUGENE L & MARIANNE J GREEN

The U S Environmental Protection Agency (EPA) believes it has completed removal of arsenic contaminated soil and restoration activities at your property located at 3229 20TH AVE S, Minneapolis Minnesota **Please acknowledge our completion by signing where indicated at the bottom of this letter and returning one copy to EPA within 30 days of the date of this letter using the enclosed pre-addressed stamped envelope** The second copy of this letter should be retained for your records If there are remaining issues to be addressed please contact our field office at (612) 721-8499 If you have any questions or further concerns please contact Leah Evison of EPA at (507) 301-6792

Please also initial and return to EPA the Final Completion Property Owner Checklist acknowledging receipt of the enclosed post-construction documentation and complete the evaluation of the work performed at your property at the bottom of the form.

If the signed letter is not returned or the EPA contacted within 30 days to identify any outstanding issues, EPA will consider your property completed

Summary of Work Performed

These actions taken under EPA's authority pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, as amended, 42 U.S.C. §9601 *et seq.*, were intended to address the risks from arsenic concentrations found at residential properties within the South Minneapolis Residential Soil Contamination Superfund Site

Soil samples were collected on your property from the bottom of the excavated area to verify all soil above the residential cleanup levels was removed Results of the sample analysis indicated residual arsenic concentrations at 1 foot or greater depth as provided below



SAMPLE ID	RESULT (MG/KG)	AREA	DEPTH BELOW GROUND SURFACE	DATE
S5W01 21B PX1	20.7	Back	1 FT	7/8/2010
S5W01 21F PX1	31.8	Front	1 FT	7/8/2010

These arsenic concentrations are below the cleanup standards for soils below a depth of 1 foot set for the Site and are considered protective of public health, welfare, and the environment. After excavation, the yard was backfilled, seeded, and any items that had been temporarily relocated were replaced. Imported topsoil and backfill material were also sampled for analysis prior to placement. These test results indicated arsenic concentrations were acceptable and the topsoil and backfill achieved project standards.

Based on these results, EPA has determined that no further cleanup action is required on your property. If this is a rental property, you must report these results to renters in accordance with Minneapolis Code of Ordinance (Title 12, Chapter 244, Article IV, 244.275).

Closeout Acknowledgement

This letter serves as a closeout document, and by signing below, you acknowledge that your property has been restored to pre-existing conditions to the extent practicable. Also, you agree to make no claims against the EPA regarding this cleanup action. The warranty on plants is valid for 1 year from 8/5/2010, the date of substantial completion at your property. Please sign the document in the space provided below to close out EPA's cleanup of your property.

Eugene L & Marianne J Green 8-5-11
 EUGENE L & MARIANNE J GREEN Date
 3229 20TH AVE S

Again, thank you for your cooperation. Should you have any questions, please feel free to contact me at (507) 301-6792.

Sincerely,

Leah Evison

Leah Evison
 Remedial Project Manager

Attachments

Post-Construction Topographic Survey
 Post-Construction Punchlist
 Post-Construction Photos

Final Completion Property Owner Checklist
South Minneapolis Residential Soil Contamination Site
Minneapolis, Minnesota

Address

3229 20TH AVE S

Date of Meeting

Aug 5, 2011

Time of Meeting

5:30 PM

Post Construction Punchlist Given to Owner?

Owner Initials Confirming Receipt

yes

Post Construction Photos Given to Owner?

Owner Initials Confirming Receipt

yes

Restoration Survey Given to Owner?

Owner Initials Confirming Receipt

yes

Have All Punchlist Items and Outstanding Issues Been Resolved?

☐ Yes

☒ No

Date Completed

Comments

need to schedule weed spraying

	Strongly Agree (5)	Agree (4)	Neutral (3)	Somewhat Disagree (2)	Strongly Disagree (1)
Earthwork Subcontractor					
Were you and your property treated respectfully?					
Was the work performed to your satisfaction?					
Was the work completed in a timely manner?					

	Strongly Agree (5)	Agree (4)	Neutral (3)	Somewhat Disagree (2)	Strongly Disagree (1)
Landscape Subcontractor					
Were you and your property treated respectfully?					
Was the work performed to your satisfaction?					
Was the work completed in a timely manner?					

PHONE RECORD
South Minneapolis Residential Soil Contamination Site
Minneapolis, Minnesota

Address 3329 25th Ave Date / Time 8-5-11 9:13 AM

Name Eugene Green Phone 612 724 7696

Contractor Has Excavated and Pestored the Following Area.

☐ Front Yard

☐ Side Yard

☐ Back Yard

☐ Garden

☐ Boulevard

☐ Other Area

Description of inquiry/problem

property done last year
No grass All weeds
Would like someone to call

Inspection Date 8/5/11 9:14 INSPECTION Time 1715

1 Location and Description

Met with owner. There^{are} many weeds observed.
"Owner Signed Final Closure Documents"

2 Location and Description

"Action Item"
Scheduled weed spraying

Other comments

Haas, Craig/MSP

From Keiser Jeff/MKE
Sent Monday August 08 2011 9 17 AM
To Rohde Beth/MKE
Cc Cunningham Debbie/MSP Holsinger Michael/SCH Tate Sam/CLE Haas Craig/MSP
Subject RE Signed Closure Letter 3229 20th Ave S

Yes we can arrange to spray I am assuming it is for Broadleaf

JK

Jeff Keiser
Project Manager
135 S 84th Street
Milwaukee WI 53214
Direct - 414 847 0382
e Fax 414 454 8766
Mobile 414 467-4893
www.jkeiser@ch2m.com

Solutions without Boundaries

From Rohde, Beth/MKE
Sent Monday, August 08, 2011 9 16 AM
To Keiser, Jeff/MKE
Cc Cunningham, Debbie/MSP, Holsinger, Michael/SCH, Tate, Sam/CLE, Haas, Craig/MSP
Subject RE Signed Closure Letter 3229 20th Ave S

Jeff

The property owner put a note that punchlist was not complete and spraying for weeds needed to be scheduled Should Craig put this on the list for Rainbow?

Thanks
Beth

From Cunningham, Debbie/MSP
Sent Monday, August 08, 2011 8 06 AM
To Rohde, Beth/MKE, Keiser, Jeff/MKE
Subject Signed Closure Letter 3229 20th Ave S

The information has been entered into the database

Debbie



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO IL 60604 3590



July 22 2011

EUGENE L & MARIANNE J GREEN
3229 20TH AVE S
MINNEAPOLIS MN 55407

Re 3229 20TH AVE S
South Minneapolis Residential Soil Contamination Site
Minneapolis MN

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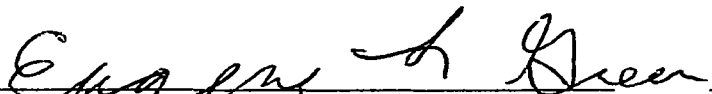
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 8-5-11

 EUGENE L. & MARIANNE J. GREEN Date
 3229 20TH AVE S

Again, thank you for your cooperation. Should you have any questions, please feel free to contact me at (507) 301-6792.

Sincerely,



Leah Evison
 Remedial Project Manager

Attachments

Post-Construction Topographic Survey
 Post-Construction Punchlist
 Post-Construction Photos

SSW01-21

TECHNI GLOVE # 5	_____	2
PEONY MIX # 2	_____	5
RHUBA # 1	_____	7
DAY LILY # 1	_____	7
CRAF APPLE 2"	_____	1
ROSE PINK # 2	_____	1
ROYAL STANDARD HOSTA 1	_____	6
CAMPANULA # 1	_____	20

7/7		Loads
7/8		
3/4/2010		

MISSING _____
3 PEONY

23 x 19	_____	874
12 x 17	_____	204
10 x 48	_____	480
33 x 20	_____	660
11 x 12	_____	132
14 x 39	_____	546
14 x 11/2	_____	77
47 x 5	_____	62
		<u>3035</u>

• CONCRETE (PUBLIC SIDEWALK) WAS
CRACKED DURING BRUTAL OPERATIONS
7/13/10. ONE PANEL 5' x 6'
COMPLETED 8/11/10
CONCRETE WAS REPLACED 8/18/10

OK

Property Owner Agreement Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis, Minnesota

Address 3229 20th Ave S

Date of Meeting 6/8/2010 Time of Meeting 1 00 PM

Initial Residential Preconstruction Documentation provided to Owner including

Preconstruction Meeting Questionnaire
Property Inventory
Inventory of Replacement Plants
Photo and Video Compact Disk (CD)
Revised Construction Drawings

Owner Initials Confirming Receipt
Owner Initials Confirming Receipt
Owner Initials Confirming Receipt
Owner Initials Confirming Receipt
Owner Initials Confirming Receipt

[Handwritten signatures]

Estimated Duration for Construction 5 Days

Two Points of Continuous Access Planned? ☐ Yes ☒ No

Description of Access during Construction A minimum of one point of access will be maintained throughout the course of construction Orange fencing will be installed around the excavation area

Description of Planned Maintenance of Existing Security Fencing During Construction

No fencing will be removed during the course of construction

Restoration Activities Planned Backfill, seed and landscaping with plants as identified on the plant inventory

Contractor will excavate the following areas

☒ Front Yard ☐ Side Yard ☒ Back Yard ☐ Garden ☐ Boulevard ☐ Other Area

Description of Other Areas

List of Trees/Plants **NOT** to be Removed from Excavation Area that Will Be Protected During Construction

Location Backyard Description ~~24 Royal Red Maple~~

Location _____ Description _____

Location _____ Description _____

List of buried items identified on the property

Location Front yard Description Gas, water, sewer

Location _____ Description _____

Location _____ Description _____

The following existing drainage problems were identified on the property prior to work

Property Owner Agreement Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis, Minnesota

Location _____ Description None

Location _____ Description _____

Location _____ Description _____

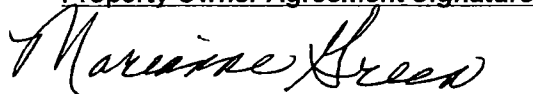
Location _____ Description _____

Specific Requests from the Property Owner

Following restoration of the property the Contractor will maintain the new plants and grass as follows

Landscaper will perform watering on an as needed basis for a period of 6 weeks for establishment of new grass replacement trees shrubs and perennials and recovery of trees where shallow roots may have been disturbed during remedial actions

Property Owner Agreement Signatures

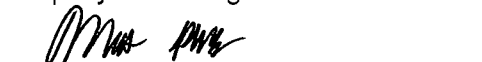


Property Owner Signature

Marianne Green 6-8-10

Print Name

Date



Arrowhead Signature

Matt Phillips

Print Name

6/8/10

Date



CH2M HILL Representative

Meghan Wahlstrom

Print Name

6/8/10

Date

Landscaping Inventory
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Property Address 3229 20th Ave S

Plant Inventory (see attached sketch)

Sketch ID	Description	Quantity To Be Replaced
A	Yew Ramon Globy Arborvitae	2
B	Peony – Red White Pink	8
C	Rhubarb	7
D	Daylily	7
E B E	Royal Red Maple Crab Apple	(1) 1
F P	Shrub Rose Pink Shrub Rose Pink	(1) 1
G	Royal Standard Hosta	86 -
H	Canpanula	20

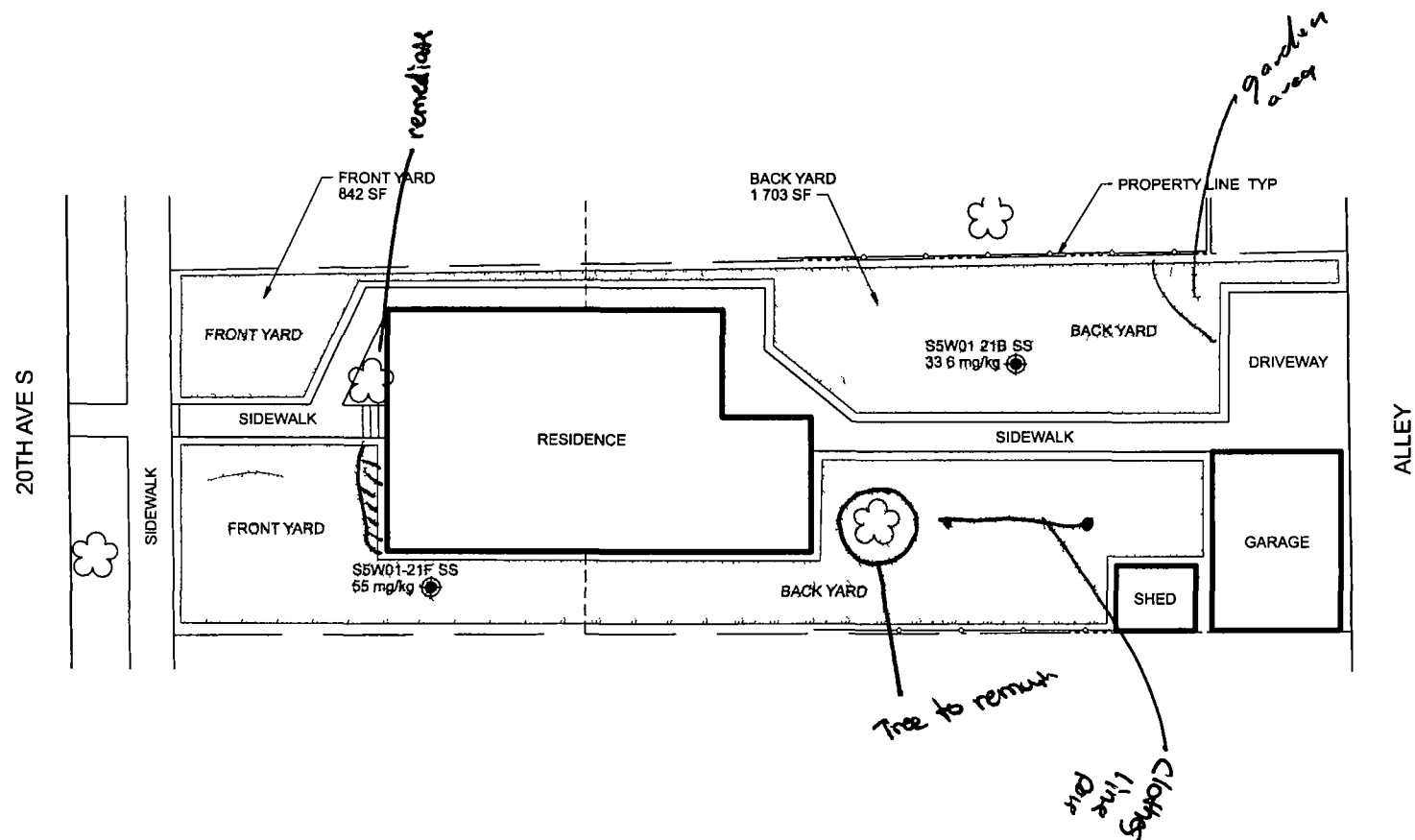
Grass Seed Mix

Shady Seed

Landscape Materials

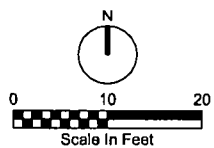
Metal Edge

Other Comments



NOTE.

1 SEE FIGURE C 1 FOR LEGEND AND GENERAL NOTES



3229 20TH AVE S
SOUTH MINNEAPOLIS NEIGHBORHOOD SOIL REMEDIATION
MINNEAPOLIS MINNESOTA

CH2MHILL

5

Consent for Access to Property
South Minneapolis Residential Soil Contamination Superfund Site
Minneapolis, Minnesota

Name Eugene L Green & Marianne J Green
Address of Property 3429 20th Ave So. Mpls MN 55407

Is Property a rental Property? Yes (No) (please circle answer)

Owner Contact Information 612 724 7696

Owner's Mailing Address (if different from Property Address above)

Home Phone 612 724 7696 Work Phone NA

Cell Phone NA E-mail NA

Please Check One Box

☐ I am not ready to provide access without further discussion

☒ **I consent** to officers, employees, contractors, and authorized representatives of U S Environmental Protection Agency (EPA) entering and having continued access to this property for the following purposes

- Conducting monitoring and sampling activity
- Conducting removal or remedial activities if arsenic contamination is present at and/or in close proximity to the property at concentrations that pose a health risk, activities may include locating utilities excavating soil stockpiling soil, and preparing for and disposing of arsenic contaminated soil
- Conducting restoration activities to return the property to its pre-existing condition (pre-removal or remedial actions), to the extent practicable

I realize these actions taken by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA known as the Superfund law), as amended I also understand that these activities will be conducted at **no cost** to the property owner and/or resident

I give this written permission voluntarily with knowledge of my right to refuse and without threats or promises of any kind

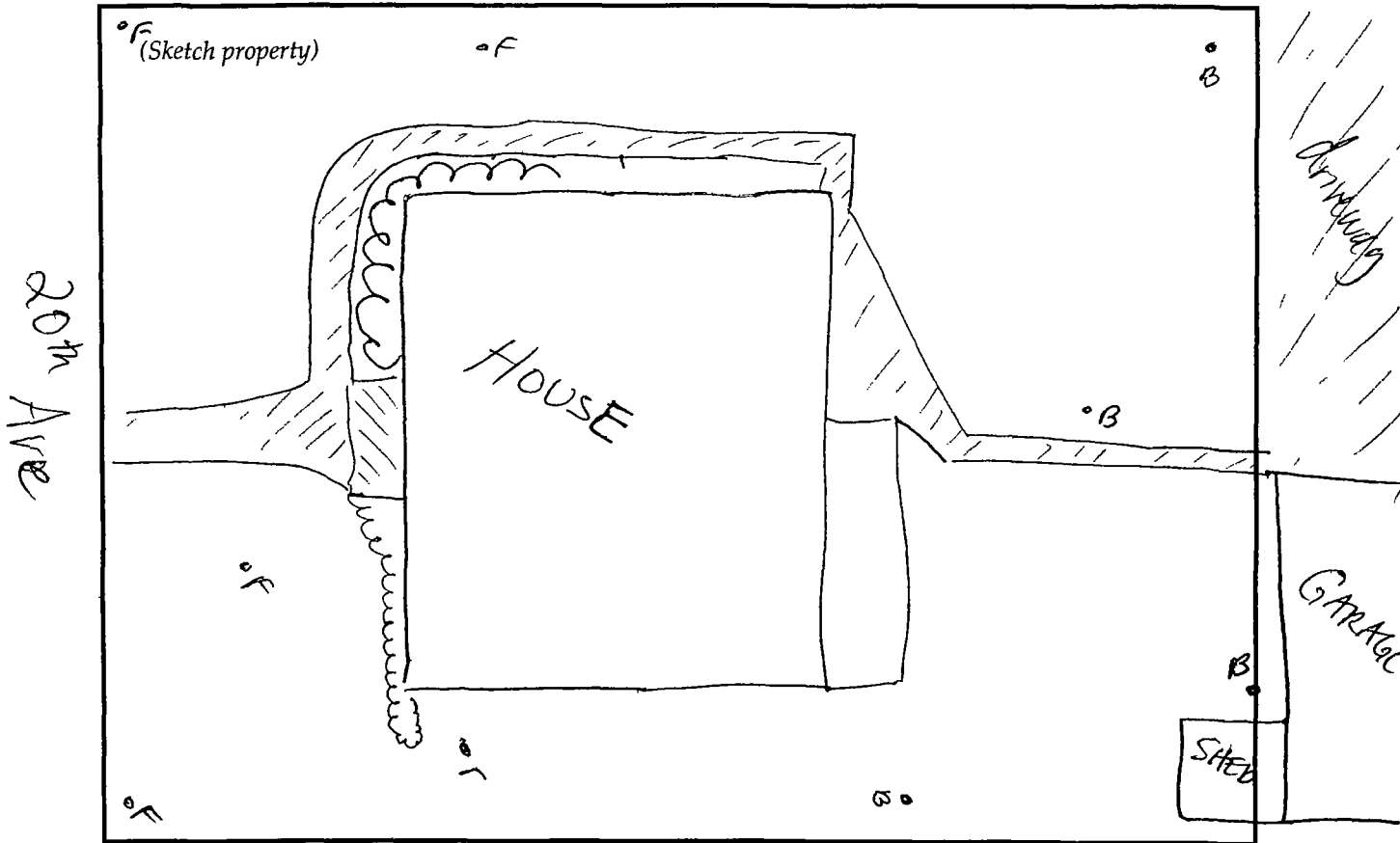
10-12-08
Date

Marianne Green
Owner Signature

PLEASE RETURN THIS FORM TO
Tim Prendiville, EPA Region 5 (SR-6J), 77 W Jackson Blvd, Chicago, IL 60604

S5W01-21

3229 20TH AVE S

**Front Yard**Sample ID S5W01-21F-SS Sample Date/Time 06/13/06 09435 Point Composite Center Coordinates N 44 56 622 E 093 14-603**Back Yard**Sample ID S5W01-21B-SS Sample Date/Time 06/13/06 09495-Point Composite Center Coordinates N 44 56 626 E 093 14 587**Observations**Treated lumber observed? ☒ No ☐ Yes (show on sketch)Garden present? ☒ No ☐ Yes (show on sketch)Signs of newer construction or landscaping activities? ☒ No ☐ Yes (show on sketch)Sample Team OO EM

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Property Address <u>3229 20th Ave S</u>	Date / Time <u>5/4/2010 @ 10⁰⁰</u>
Owner(s) Present <u>Eugene & Marianne Green</u>	USEPA Rep _____
Other Attendees _____	CH2M HILL <u>Meghan W</u>
_____	Subcontractor _____

Property Information

- 1 Type of Property ☒ Residential—Single Family ☐ Residential—Multi Family ☐ Vacant Lot
- 2 Owner Occupied ☒ Yes ☐ No
- 3 Rental Property ☐ Yes ☒ No
- a If Yes are the currently any Tenants Renting at Property ☐ Yes ☐ No
- b If Yes has the Tenant been notified of the arsenic and cleanup (Minneapolis Code of Ordinances Title 12 Chapter 244 275) ☐ Yes ☐ No
- 4 Are there previously unsampled areas? ☒ Yes ☐ No
- a If the Front Yard needs remediation has the boulevard been sampled? ☐ Yes ☒ No
- b Areas requiring XRF screening (and lab analysis if necessary)

☐ Front Yard ☒ Blvd ☐ Side Yard ☐ Back Yard ☐ Garden ☐ Other _____

Sample ID	Area	XRF Result (mg/kg)	Lab Analysis Req d? (8 mg/kg < XRF < 44 mg/kg)	Lab Result (mg/kg)	Remediation Required?
S5W01-21v-ss	Bvd	<15/<13/<13	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

5 Areas Requiring Remediation ☒ Front Yard ☐ Boulevard ☐ Side Yard ☒ Back Yard ☐ Garden

6 Is there a tree or stump in the boulevard? ☐ Yes ☐ No

7 Does the property owner have any knowledge of any drainage problems on the property (i.e. ponding water during rain surface water runoff onto property surface water runoff flooding neighboring property water in basement)? ☐ Yes ☒ No

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

8 Will the property owner allow us to inspect and take photos of the basement for structural or drainage issues?
☒ Yes ☐ No

9 Within a week of this meeting a Land Surveyor will come to the property to document the existing grade. The
Landscaper will come to the property to inventory the plants that need to be replaced.

- b If not when can arrangements be made for them to come to the property? _____

- b The dog should be kept out of the area after it is restored for several weeks to allow the grass to establish

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Landscaping

1 Areas requiring landscaping after remediation is complete

☒ Front Yard ☐ Blvd ☐ Side Yard ☒ Back Yard ☐ Garden ☐ Other _____

2 Are there plants to be removed within the excavation area(s)? ☒ Yes ☐ No

a If Yes identify areas with plants on property sketch for landscaper to inventory Notify Landscaper to complete inventory prior to 2nd Preconstruction Meeting

3 Are there plants that the property owner will transplant? ☐ Yes ☒ No

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

4 Are there perennials present in the excavation area that are not in bloom? ☒ Yes ☐ No

Location _____ Description peony

Location _____ Description _____

Location _____ Description _____

5 Will plants be removed that the property owner does not want replaced? ☒ Yes ☒ No

Location front of house Description want the bushes that are by the front back, but a

Location front of house Description smaller size bush

Location front of house Description rose bush

6 Are there plants that will remain within the excavation area (other than mature trees)? ☐ Yes ☒ No

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

7 If excavation needs to go deeper than 12 near a tree and the tree cannot be saved is it ok to remove the tree?
☐ Yes ☐ No NA

8 Describe special landscaping features (mulch borders or other)

9 Is there an incline within the excavation area that will require erosion control blanket during hydroseeding (greater than 1V 3H)? ☒ Yes ☐ No

Area 1 Width _____ Length _____ Location _____

Area 2 Width _____ Length _____ Location _____

Landscaping Comments

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Front Yard

- 1 Require remediation? ☒ Yes ☐ No
- 2 Will be used to access other areas requiring remediation? ☐ Yes ☐ No ☐ N/A
- 3 Any front access obstructions? ☐ Yes ☒ No ☐ Fence
☐ Gates Width _____ Height _____ Inches ☐ Stairs (number) _____ ☐ Up ☐ Down
☐ Retaining Wall - Material _____ ☐ Landscaping ☐ Other _____

Other / Comments _____

- 4 Access between front and back yards? ☐ Yes ☒ No ☐ Fence
☐ Front Passage between structures to backyard Width _____ height _____ inches
☐ Gates Width _____ Height _____ Inches
- 5 Front Yard **Sidewalk** Fence Type(s) ☒ None ☐ Chain Link ☐ Wood ☐ Wrought iron
☐ Other _____
- 6 Front Yard **Additional** Fence Type(s) ☒ None ☐ Chain Link ☐ Wood ☐ Wrought iron
☐ Other _____
- 7 Fence Anchored to Property Building ☐ Yes ☒ No ☐ N/A
- 8 Fence Anchored to Adjacent Building ☐ Yes ☒ No ☐ N/A
- 9 Front Yard Permanent Structures ☐ Driveway ☒ Sidewalks ☐ Concrete Slabs ☐ Pavers
☐ Retaining Wall ☐ Other _____

Other / Comments _____

- 10 Features identifying property boundary
☐ Survey marker ☒ Fence ☐ Structure ☐ Pavement ☐ Landscaping ☐ Ground covers
- 11 Is the property owner able to confirm the property boundaries? ☒ Yes ☐ No
- 12 Is the Surveyor needed to locate property corners? ☐ Yes ☒ No
- 13 Overhead utilities or obstructions? ☐ Yes (show on sketch) ☒ No
☐ Electrical ☐ Telephone ☐ Cable ☐ Other _____
- 14 Evidence of Underground Utilities (visible conduit, remote outlet, shutoff)? ☒ Yes (show on sketch) ☐ No
☒ Gas ☐ Electrical ☒ Water ☒ Sewer ☐ Other _____

Other / Comments _____

- 15 Does the property owner have knowledge or are there indications of underground items (USTs, sprinkler systems, former pets, wells, etc)? ☐ Yes (show on sketch) ☒ No

Other / Comments _____

Comments _____

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Back Yard

- 1 Require remediation? ☒ Yes ☐ No
- 2 Will be used to access other areas requiring remediation? ☐ Yes ☐ No ☐ N/A
- 3 Back Yard Permanent Structures ☒ Driveway ☒ Sidewalks ☐ Concrete Slabs ☐ Patio
☐ Brick/concrete pavers ☐ Gravel Driveway / Parking Area ☐ A/C Unit ☐ Other

Other Comments _____

- 4 Alley Access ☒ Yes ☐ No
☐ Access through Garage Only ☐ Backyard Gate Width _____ Height _____ Inches

Obstructions in passage/Comments _____

- 5 Any Backyard Obstructions Present? ☐ Yes ☒ No
☐ Fence ☐ Gates Width _____ Height _____ Inches ☐ Playsets
☐ Stairs (number) _____ ☐ Up ☐ Down ☐ Retaining Wall – Material _____
☐ Landscaping ☐ Vehicles (mobile or immobile)

Other/Comments _____

- 6 Structures Present ☐ Residence ☒ Garage ☐ Prefabricated storage shed ☐ Dog House
☒ Constructed storage shed ☐ Deck ☐ Stairs ☐ Other (describe) _____

Other Comments _____

7 Alley Obstructions _____

- 8 Back Yard **Alley** Fence Type ☒ None ☐ Chain Link ☐ Wood ☐ Wrought iron
☐ Other

Other Combinations/Comments _____

- 9 Back Yard **Additional** Fence Type ☐ Chain Link ☐ Wood ☐ Wrought iron ☐ Other

Other Combinations/Comments _____

10 Additional Fence Location and Description _____

- 11 Fence Anchored to Property Building ☐ Yes ☒ No
- 12 Fence Anchored to Adjacent Building ☐ Yes ☒ No
- 13 Property boundary markers observed
☐ Fence ☐ Structure ☐ Survey marker ☐ Landscaping ☐ Pavement
☐ Ground covers ☐ Owner's knowledge

- 16 Overhead utilities or obstructions? ☐ Yes (show on sketch) ☐ No
☒ Electrical ☒ Telephone ☒ Cable ☐ Other _____

- 17 Evidence of Underground Utilities (visible conduit remote outlet shutoff)? ☐ Yes (show on sketch) ☒ No
☐ Gas ☐ Electrical ☐ Water ☐ Sewer ☐ Other _____

Other / Comments used to be

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

18 Does the property owner have knowledge or are there indications of underground items (USTs sprinkler systems former pets wells etc) ☒ Yes (show on sketch) ☐ No

Location back yard by fence Description under a piece of concrete former cat

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

19 Description of pools gazebos sheds flag poles or other

Location _____ Description clothes line pole

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

Location _____ Description _____

Property Inventory

Date.

7

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Photo Log

Address _____

Picture Number	Camera Photo Number	Description	Looking
1	2	Basement - NW Corner	
	3	West wall	
	4	"	
	5	SW Corner	
	6	S wall	
	7	"	
	8	"	
	9	SE Corner	
	10	E wall	

Initial Residential Preconstruction Meeting
RECOVERY South Minneapolis Residential Soil Contamination Site
Minneapolis Minnesota

Picture Number	Camera Photo Number	Description	Looking

PROPERTY SPECIFIC OBSERVATIONS
RECOVERY SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION SITE

PROPERTY ADDRESS **3229 20th Ave S**
PROPERTY OWNER **Eugene + Marianne Greene**

PARCEL ID **SSW01-21**
INSPECTOR **Mike Fischer**

Preconstruction	Yes / No	Date Started	Date Closed	Comments
Initial Preconstruction Meeting	<input checked="" type="radio"/> Y <input type="radio"/> N	11/20/09		
Second Preconstruction Meeting / Approval	<input checked="" type="radio"/> Y <input type="radio"/> N	6/08/10		
Site Preparation (Arrowhead)				
Utility Locate		7/7/10		
Received Completed Locates?	<input checked="" type="radio"/> Y <input type="radio"/> N			
Observed Utilities Clearly Marked?	<input checked="" type="radio"/> Y <input type="radio"/> N			
Removal of Fence for Access?	<input type="radio"/> Y <input checked="" type="radio"/> N			
Wood / Chain Link / Wrought Iron / Other				
Length _____ ft				
Condition _____				
Installation of Construction Fence				
2 Points of Access Maintained?	<input checked="" type="radio"/> Y <input type="radio"/> N			
Mature Trees / Remaining Plants Protected?	<input checked="" type="radio"/> Y <input type="radio"/> N			
Relocation / Storage of Inventoried Property	<input type="radio"/> Y <input checked="" type="radio"/> N			
Installation of Erosion Control				
Inlet Protection?	<input checked="" type="radio"/> Y <input type="radio"/> N			Up and downgradient locations street and alley as necessary
Silt Fence?	<input type="radio"/> Y <input checked="" type="radio"/> N			Slope greater than 1V 5H
Other _____	<input type="radio"/> Y <input type="radio"/> N			
Appropriate Traffic Signage Displayed	<input checked="" type="radio"/> Y <input type="radio"/> N			
Clearing and Grubbing	<input checked="" type="radio"/> Y <input type="radio"/> N			

PROPERTY SPECIFIC OBSERVATIONS (CONTINUED)
RECOVERY SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION SITE

PROPERTY ADDRESS
PROPERTY OWNER

PARCEL ID
INSPECTOR

Excavation (Arrowhead)					
Front	Requires Remediation? <u>BSTL</u> Excavation Type(s)? _____ Within Tree Dripline? <u>1'</u> Excavation Depth 1 _____ XRF Result 1 <u>235 / 41 / 45</u> Excavation Depth 2 _____ XRF Result 2 <u>/ /</u> Excavation Depth 3 _____ XRF Result 3 <u>/ /</u> Sample ID <u>S5W01-21F-PX1</u>	<input checked="" type="radio"/> Y <input type="radio"/> N <input checked="" type="radio"/> Y <input type="radio"/> N	<u>7/7/10</u>	<u>7/8/10</u>	Manual / Mechanical If average XRF <62 mg/kg <u>complete</u> If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete Insert final excavation depth in feet at end of ID
Boulevard	Requires Remediation? _____ Excavation Type(s)? _____ Tree Dripline? _____ Excavation Depth 1 _____ XRF Result 1 <u>/ /</u> Excavation Depth 2 _____ XRF Result 2 <u>/ /</u> Excavation Depth 3 _____ XRF Result 3 <u>/ /</u> Sample ID _____	<input type="radio"/> Y <input checked="" type="radio"/> N <input type="radio"/> Y <input type="radio"/> N			Manual / Mechanical If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete Insert final excavation depth in feet at end of ID
Side	Requires Remediation? _____ Excavation Type(s)? _____ Tree Dripline? _____ Excavation Depth 1 _____ XRF Result 1 <u>/ /</u> Excavation Depth 2 _____ XRF Result 2 <u>/ /</u>	<input type="radio"/> Y <input checked="" type="radio"/> N <input type="radio"/> Y <input type="radio"/> N			Manual / Mechanical If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete

PROPERTY SPECIFIC OBSERVATIONS (CONTINUED)
RECOVERY SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION SITE

PROPERTY ADDRESS
PROPERTY OWNER

PARCEL ID
INSPECTOR

Excavation Depth 3 _____ XRF Result 3 / / Sample ID _____				If average XRF <62 mg/kg complete Insert final excavation depth in feet at end of ID
Back Requires Remediation? <u>Both</u> Excavation Type(s)? _____ Tree Dripline? _____ Excavation Depth 1 <u>1'</u> XRF Result 1 <u>46 / 42 / 43</u> Excavation Depth 2 _____ XRF Result 2 / / Excavation Depth 3 _____ XRF Result 3 / / Sample ID <u>SSW01-21B-PX1</u>	<input checked="" type="radio"/> Y N <input checked="" type="radio"/> Y N	<u>7/7/10</u>	<u>7/8/10</u>	Manual / Mechanical If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete Insert final excavation depth in feet at end of ID
Garden Requires Remediation? Excavation Type(s)? _____ Tree Dripline? _____ Excavation Depth 1 _____ XRF Result 1 / / Excavation Depth 2 _____ XRF Result 2 / / Excavation Depth 3 _____ XRF Result 3 / / Sample ID _____	Y <input checked="" type="radio"/> N Y N			Manual / Mechanical If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete If average XRF <62 mg/kg complete Insert final excavation depth in feet at end of ID

PROPERTY SPECIFIC OBSERVATIONS (CONTINUED)
RECOVERY SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION SITE

PROPERTY ADDRESS
PROPERTY OWNER

PARCEL ID
INSPECTOR

Air Monitoring (Arrowhead)					
Perimeter Air Monitoring Dust Arsenic	Y Y	N N	7/7/10	7/8/10	
Personal Air Sample ID _____					
Post Excavation Survey (MFRA)					
Notification	Y	N			
Survey Completed	Y	N			
Backfill and Topsoil (Arrowhead)					
Lift 1 <u>Backfill</u> Topsoil			7/13/10		PLATE TAMP
Compaction <u>YES</u> Thickness <u>6</u> in					Specification 85 / 90 / for backfill 80 / 85 / for topsoil 6 inch lift 87.5% & 89.5%
Lift 2 Backfill <u>Topsoil</u>					
Compaction <u>YES</u> Thickness <u>6</u> in					Specification 85 / 90 % for backfill 80 % 85 / for topsoil 6 inch lift 85% & 85%
Lift 3 Backfill Topsoil					
Compaction _____ Thickness _____ in					Specification 85% 90 / for backfill 80% 85 / for topsoil 6 inch lift
Lift 4 Backfill Topsoil					
Compaction _____ Thickness _____ in					Specification 85 / 90 / for backfill 80 / 85 / for topsoil 6 inch lift
Lift 5 Backfill Topsoil					
Compaction _____ Thickness _____ in					Specification 85 / 90 / for backfill 80 / 85 / for topsoil 6 inch lift
Lift 6 Backfill Topsoil					
Compaction _____ Thickness _____ in					Specification 85 / 90% for backfill 80 / 85 / for topsoil 6 inch lift
Lift 7 Backfill Topsoil					
Compaction _____ Thickness _____ in					Specification 85% 90% for backfill 80% 85% for topsoil 6 inch lift

PASS

PASS

PROPERTY SPECIFIC OBSERVATIONS (CONTINUED)
RECOVERY SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION SITE

PROPERTY ADDRESS
PROPERTY OWNER

PARCEL ID
INSPECTOR

Post Construction Survey (MFRA)				
Notification	Y	N		
Survey Completed	Y	N		
Landscaping (Margolis)				
Replacement Trees				Confirm quantities
Replacement Shrubs & Perennials				Confirm quantities
Remove Silt Fence	Y	N		
Topsoil Preparation	Y	N		Loosen top couple inches for seed bed
Seed	Y	N		
Hydromulch	Y	N		
Install Erosion Control Blanket	Y	N		Slope greater than 1V 3H
Maintenance Watering	Y	N		6 week period as needed
Restoration (Arrowhead)				
Removal of Fence for Access?	Y	N		
Wood / Chain Link / Wrought Iron / Other				
Length _____ ft				
Condition _____				
Reinstallation of Fence for Access	Y	N		
Type _____				
Length _____ ft				
Condition _____				
Reinstallation of Stored Property	Y	N		Landscape borders lawn furniture lawn ornaments etc
Testing Systems for Operation	Y	N		Sprinkler lights etc
Property Repairs	Y	N		Concrete asphalt broken fixtures etc

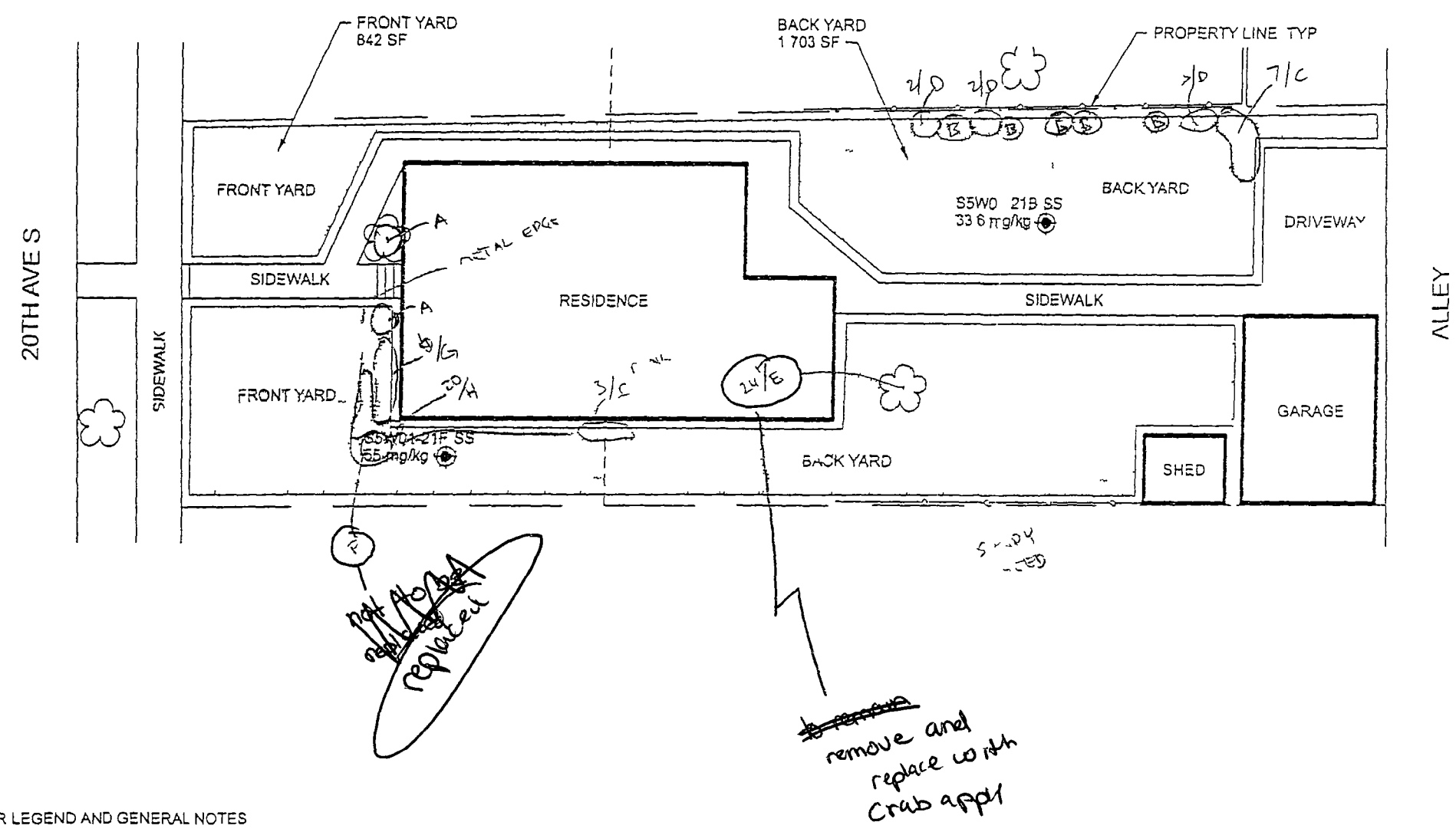
PROPERTY SPECIFIC OBSERVATIONS (CONTINUED)
RECOVERY SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION SITE

PROPERTY ADDRESS
PROPERTY OWNER

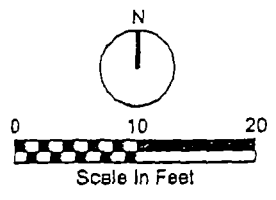
PARCEL ID
INSPECTOR

Post Construction Meeting				
Post Construction Meeting / Punchlist Development	Y	N		
Punchlist Completion	Y	N		
Closeout Meeting / Approval	Y	N		

- A YEW FAUNTON
- B PEONY - RED WHITE PINK
- C RHODARIS
- D DAY LILY
- E ROYAL RED MAPLE (REDAWN)
- F SHALIBLOSC PINK (REDAWN)
- G ROYAL STANDED HOTA
- H CAMPANULA

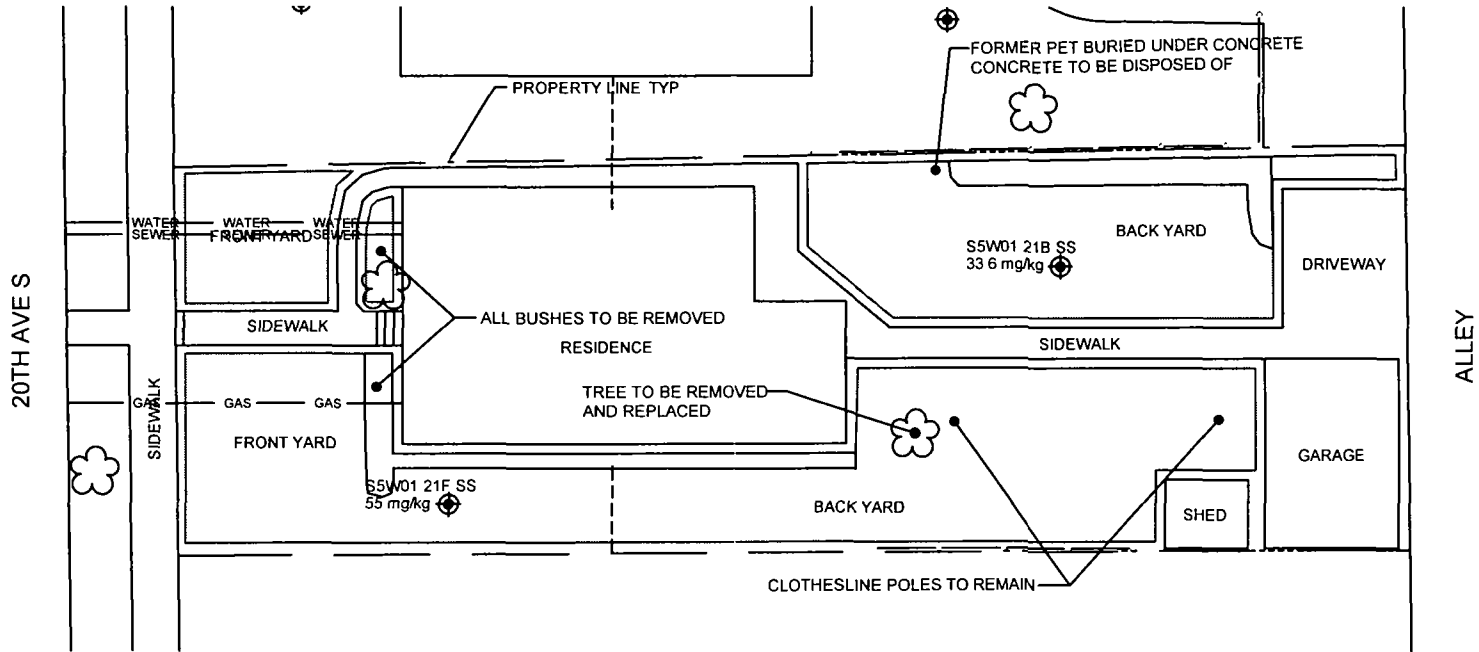


NOTE
1 SEE FIGURE C 1 FOR LEGEND AND GENERAL NOTES




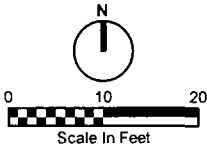
5-19-10 V02
3229 20TH AVE S
SOUTH MINNEAPOLIS NEIGHBORHOOD SOIL REMEDIATION
MINNEAPOLIS MINNESOTA
CH2MHILL

CH2M		REV DATE	11/20 INITIAL VISIT
ACI			5/04/10 1ST VISIT
			6/08/10 2ND VISIT



NOTES

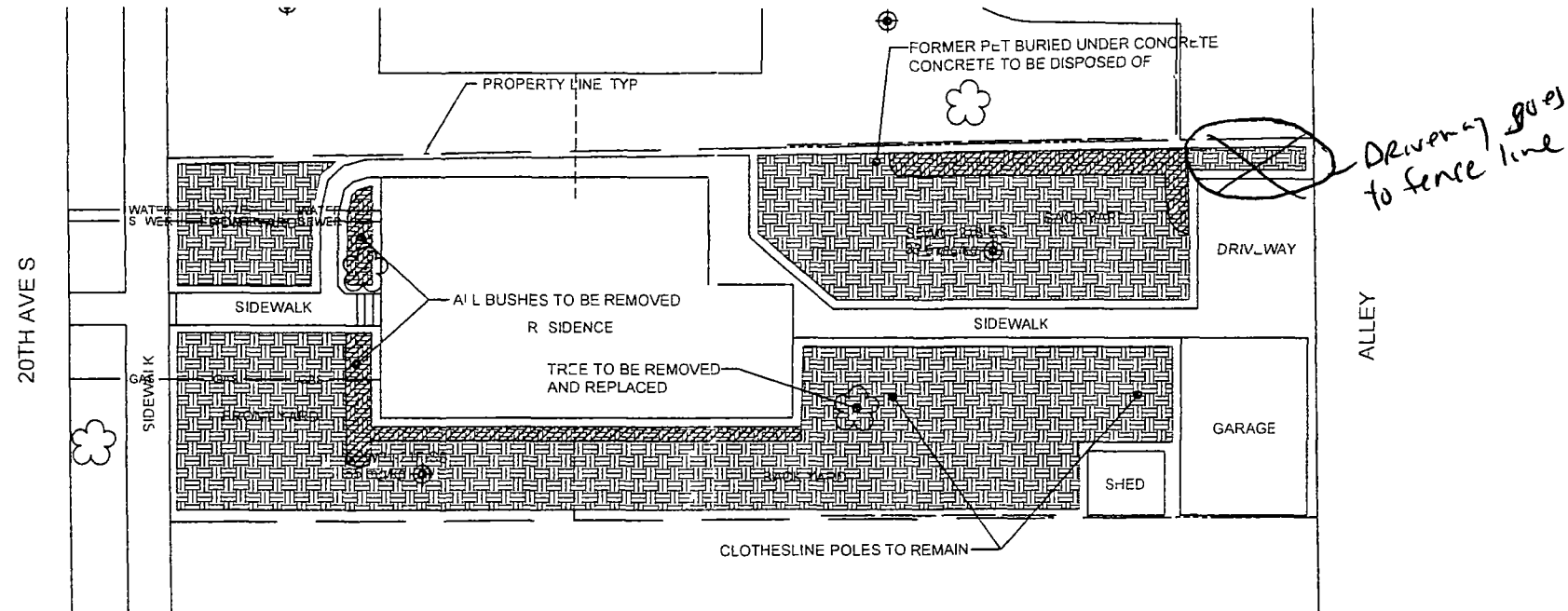
- SEE FIGURE C 1 FOR LEGEND AND GENERAL NOTTS
- EXCAVATE GRASSY AREAS TO A 1 FOOT DEPTH
- EXCAVATE GARDEN AREAS TO A 18" DEPTH
- 3/4" PLYWOOD TO BE PLACED AS NEEDED FOR DRIP LINE ACCESS
- APPROXIMATE EXCAVATION AREA 2,616 FT²
APPROXIMATE AREA UNDER DRIP LINE 0 FT²
PERCENT EXCAVATION AREA INSIDE DRIP LINE 0 %
-  DENOTES AREA UNDERNEATH DRIP LINE
- 48 L.F. OF SILT FENCE REQUIRED
- UNDERGROUND UTILITIES TO BE LOCATED BY GOPHER STATE ONE CALL AND U.L.S. PRIOR TO EXCAVATION




EXISTING SITE PLAN

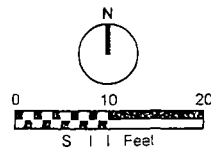
3229 20TH AVE S
SOUTH MINNEAPOLIS NEIGHBORHOOD SOIL REMEDIATION
MINNEAPOLIS, MINNESOTA
CH2MHILL

CH2M		REV DATE	11/20 INITIAL VISIT
ACI			5/04/10 1ST VISIT
			6/08 10 2ND VISIT



NOTES

- 1 SEE FIGURE C FOR LEGEND AND GENERAL NOTES
- 2 EXCAVAT GRASSY AREAS TO A 1 FOOT DEPTH
- 3 EXCAVATE GARDEN AREAS TO A 18" DEPTH
- 4 3/4" PLYWOOD TO BE PLACED AS NEEDED FOR DRIVEWAY ACCESS
- 5 APPROXIMATE EXCAVATION AREA 2,616 FT²
APPROXIMATE AREA UNDER DRIP LINE 60 FT²
PERCENT EXCAVATION AREA INSIDE DRIP LINE 0
- 6  DENOTES AREA UNDER DRAINAGE DRAIN LINE
- 7 48 L.F. OF SILT FENCE REQUIRED
- 8 UNDERGROUND UTILITIES TO BE LOCATED BY Gopher State One Call AND U.L.S. PRIOR TO EXCAVATION



EXCAVATION PLAN

3229 20TH AVE S
SOUTH MINNEAPOLIS NEIGHBORHOOD SOIL REMEDIATION
MINNEAPOLIS MINNESOTA
CH2MHILL